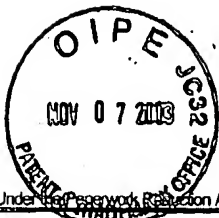


FORM PTO-1449 (Modified)			Attorney Docket No.: 20167-000120US		Application No.: 09/423,100	
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)			Applicant: Dr. Zhong-Ru Gan			
			Filing Date: October 29, 1999		Group: 1798-1647	
Reference Designation			U.S. PATENT DOCUMENTS			Page 1
Examiner Initial	Document No.	Date	Name	Class	Sub-class	Filing Date (If Appropriate)
<u>CD</u> AA	6,001,604	12/14/99	Hartman et al.			
<u>CD</u> AB	4,916,212	04/10/90	Markussen et al.			
<u>CD</u> AC	4,342,832	08/03/82	Goeddel et al.			
<u>CD</u> AD	5,254,463	10/19/93	de Boer et al.			
FOREIGN PATENT DOCUMENTS						
	Document No.	Date	Country	Class	Sub-class	Translation (Yes/No)
<u>CD</u> AE	WO 96/20724	07/11/96	PCT			
<u>CD</u> AF	WO 97/18233	05/22/97	PCT			
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)						
EXAMINER		<u>guites</u>		DATE CONSIDERED		<u>11/10/04</u>

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Page 1 of 4

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Application Number	10/054,873
Filing Date	January 22, 2002
First Named Inventor	Zhong-Ru Gan
Art Unit	1647
Examiner Name	Not yet assigned Nichols
Attorney Docket Number	020167-000130US

U.S. PATENT DOCUMENTS

Examiner	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
CS	1	US-4,342,832		08/03/1982	Goeddel et al.	
	2	US-4,816,212		04/10/1990	Markussen et al.	
	3	US-5,254,463		10/19/1993	de Boer et al.	
	4	US-5,358,857		10/25/1994	Stengelin et al.	
	5	US-5,422,110		06/06/1995	Potter et al.	
	6	US-5,473,049		12/05/1995	Obermeier et al.	
	7	US-5,559,128		09/24/1996	Chakrabarty et al.	
	8	US-5,719,021		02/17/1998	Inouye	
	9	US-6,001,604		12/14/1999	Hartman et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
CS	10	EP	0 055 945	A2	07/14/1982	Genentech, Inc.		<input type="checkbox"/>
	11	EP	0 347 781	B1	02/16/1994	Hoechst Aktiengesellschaft		<input type="checkbox"/>
	12	EP	0 845 454	A2	03/29/1995	Lunin et al.		<input type="checkbox"/>
	13	WO	96/20724	A1	07/11/1996	Bio-Technology General Corp.		<input type="checkbox"/>
	14	WO	96/23888	A1	08/08/1996	G.D. Searle & Co.		<input type="checkbox"/>
	15	WO	97/18233	A1	05/22/1997	Pharmacia & Upjohn AB		<input type="checkbox"/>
	16	WO	02/079251	A2	10/10/2002	Novo Nordisk A/S		<input type="checkbox"/>

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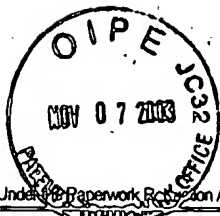
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STATEMENT BY APPLICANT**

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Page 2 of 4

Complete if Known

Application Number	10/054,873
Filing Date	January 22, 2002
First Named Inventor	Gan, Zhong-Ru
Art Unit	1647
Examiner Name	Not yet assigned <i>Nichols</i>
Attorney Docket Number	020167-000130US

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
<i>CSN</i>	17	BIOSIS DATABASE, Accession number 199497237023. Samuelsson <i>et al.</i> , 1994, "Enhanced <i>in vitro</i> refolding of insulin-like growth factor I using a solubilizing fusion partner," <i>Biochemistry</i> 33(14):4207-4211 (abstract)	
	18	BIOSIS DATABASE, Accession number PREV199799785120. Klappa <i>et al.</i> , 1997, "Interactions between protein disulphide isomerase and peptides," <i>European Journal of Biochemistry</i> 248(1):37-42 (abstract)	
	19	Bork and Bairoch, 1998, "Go hunting in sequence databases but watch out for the traps," <i>Trends Genet.</i> 12(10):425-427	
	20	Bork, P., 2000, "Powers and pitfalls in sequence analysis: the 70% hurdle," <i>Genome Res.</i> 10(4):398-400	
	21	Brenner, S.E., 1999, "Errors in genome annotation," <i>Trends Genet.</i> 15(4):132-133	
	22	Burgess, "Protein Purification," in <i>Protein Engineering</i> ; Oxender, D.L., Fox, C.F., Eds.; Alan R. Liss, Inc; NY, (1987), pp. 71-82.	
	23	Bumett, J. P., "Commercial Production of Recombinant DNA-Derived Products," in <i>Experimental Manipulation of Gene Expression</i> , Academic Press, NY, (1983), pp. 259-277.	
	24	Castellanos-Serra <i>et al.</i> , 1996, "Expression and folding of an interleukin-2-proinsulin fusion protein and its conversion into insulin by a single step enzymatic removal of the C-peptide and the N-terminal fused sequence," <i>FEBS Letters</i> , 378:171-176.	
	25	Chance <i>et al.</i> , "Chemical, Physical, and Biological Properties of Recombinant Human Insulin," In J. L. Gueriguan <i>Insulins, Growth Hormone, and Recombinant DNA Technology</i> , Raven Press, NY, (1981), pp. 71-85.	
	26	Chance <i>et al.</i> , "The Production of Human Insulin Using Recombinant DNA Technology and a New Chain Combination Procedure," in <i>Peptides: Synthesis-Structure-Function</i> , Pierce Chem. Co., Rockford, IL, (1981), pp. 721-728.	
	27	Diers <i>et al.</i> , "Yeast Fermentation Processes for Insulin Production," in Y. H. Chiu, <i>Drug Biotechnology Regulations: Scientific Basis and Practices</i> , Marcel Dekker, Inc., NY, (1991), pp. 166-176.	
	28	Doerks <i>et al.</i> , 1998, "Protein annotation: detective work for function prediction," <i>Trends Genet.</i> 14(6):248-250	
<i>✓</i>	29	Etienne-Decent, "Regulation of Protein Synthesis," in <i>Genetic Biochemistry: From Gene to Protein</i> , Ellis Horwood Limited, Chichester, U.K., (1988), pp. 125-127.	
<i>CSN</i>	30	Frank and Chance, "The Preparation and characterization of human insulin of recombinant DNA origin," In <i>Therapeutic Agents Produced by Genetic Engineering "Quo Vadis?" Symposium</i> , (May 29-30, 1985), Sanoff Group, Toulouse-Labège, France, pp. 137-148.	

Examiner Signature	<i>G. Nichols</i>	Date Considered	11/10/04
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Page 3 of 4

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Application Number	10/054,873
Filing Date	January 22, 2002
First Named Inventor	Gan, Zhong-Ru
Art Unit	1647
Examiner Name	Not yet assigned Nichols
Attorney Docket Number	020167-000130US

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
CSN	31	Frank and Chance, 1983, "Two Routes for Producing Human Insulin Utilizing Recombinant DNA Technology," <i>Munch. Med. Wschr.</i> 125(Suppl. 1):pp. S14-S20.	
	32	Goeddel et al., 1979, "Expression in <i>Escherichia coli</i> of chemically synthesized genes for human Insulin," <i>Proc. Natl. Acad. Sci. USA</i> 76(1): 106-110.	
	33	Ikehara et al., 1984, "Synthesis of a gene for human growth hormone and its expression in <i>Escherichia coli</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 81:5956-5960.	
	34	Inouye, M., 1991, "Intramolecular Chaperone: The Role of the Pro-Peptide in Protein Folding," <i>Enzyme</i> 45:314-321.	
	35	Johnson, 1983, "Human Insulin from Recombinant DNA Technology," <i>Science</i> 219:632-637.	
	36	Johnson, R. D., 1986, "The Processing of Biomacromolecules: A Challenge for the Eighties," <i>Fluid Phase Equilib.</i> 29:109-123.	
	37	Kroeff et al., 1989, "Production Scale Purification of Biosynthetic Human Insulin by Reversed-Phase High-Performance Liquid Chromatography," <i>Journal of Chromatography</i> 461: 45-61.	
	38	Ladisch and Kohlmann, 1992, "Recombinant Human Insulin," <i>Biotechnol. Prog.</i> 8:469-478.	
	39	Ngo et al., "Computational complexity, protein structure prediction, and the Levinthal Paradox," In: <i>The Protein Folding Problem and Tertiary Structure Prediction</i> , Merz and Le Grand, eds. Birkhauser, Boston, MA, 1994, pp. 433-508.	
	40	Norman and Litwack, "Pancreatic Hormones: Insulin and Glucagon," In <i>Hormones</i> , Academic Press, Inc., NY, (1987), pp 264-317.	
	41	Shinde and Inouye, 1993, "Intramolecular chaperones and protein folding," <i>TIBS</i> 18:442-446.	
	42	Skolnick and Fetrow, 2000, "From genes to protein structure and function: novel applications of computational approaches in the genomic era," <i>Trends Biotechnol.</i> 18(1):34-39	
	43	Smith and Zhang, 1997, "The challenges of genome sequence annotation or 'the devil is in the details,'" <i>Nat. Biotechnol.</i> 15(12):1222-1223	
CSN	44	Thim et al., 1986, "Secretion and processing of insulin precursors in yeast," <i>Proc. Natl. Acad. Sci. USA</i> 83:6766-6770.	

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Application Number	10/054,873
Filing Date	January 22, 2002
First Named Inventor	Gan, Zhong-Ru
Art Unit	1647
Examiner Name	Not yet assigned NICHOLS
Attorney Docket Number	020167-000130US

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
GN	45	Tottrup and Carlsen, 1990, "A Process for the Production of Human Proinsulin in <i>Saccharomyces cerevisiae</i> ," <i>Biotechnol. Bioeng.</i> 35:339-348.	
GN	46	Villa-Komaroff et al., 1978, "A bacterial clone synthesizing proinsulin," <i>Proc. Natl. Acad. Sci. USA</i> 75(8):3727-3731.	
	47	Watson et al., <i>Recombinant DNA—A Short Course</i> , Scientific American Books, W.H. Freeman Co., NY, (1983), pp. 231-241.	
	48	Wells, J. A., 1990, "Additivity of mutational effects in proteins," <i>Biochemistry</i> 29(37):8500-8517	
✓	49	Wheelwright, <i>Protein Purification: Design and Scale up of Downstream Processing</i> , Oxford University Press; NY, (1991), p.217.	
GN	50	Williams et al., 1982, "Cytoplasmic Inclusion Bodies in <i>Escherichia coli</i> Producing Biosynthetic Human Insulin Proteins," <i>Science</i> 215:687-689.	

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		Application Number	10/054,873		
		Filing Date	January 22, 2002		
		First Named Inventor	Gan, Zhong-Ru		
		Art Unit	1647		
Sheet	1	of	2	Examiner Name	Christopher J. Nichols
				Attorney Docket Number	020167-000130US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code ² (if known)			
	1.	4,665,160 A	05-12-1987	Seeburg	
	2.	2002/0164712 A1	11-07-2002	Gan	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
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Sheet 2	of 2	Attorney Docket Number	020167-000130US

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gan	4.	CATTINI & EBERHARDT, "Regulated expression of chimeric genes containing the 5'-flanking regions of human growth hormone-related genes in transiently transfected rat anterior pituitary tumor cells" Nucleic Acids Research 15(3):1297-1309 (1987).	—
I	5.	GELI et al., "Synthesis and sequence-specific proteolysis of a hybrid protein (colicin A: growth hormone releasing factor) produced in Escherichia coli" Gene 80(1):129-136 (1989).	—
I	6.	HIRT et al., "The human growth hormone gene locus: structure, evolution, and allelic variations" DNA 6(1):59-70 (1987).	—
↓	7.	LIEBHABER et al., "Synthesis of growth hormone-prolactin chimeric protein and processing mutants by the exchange and deletion of genomic exons" Journal of Biological Chemistry 261:14301- 14306 (1986).	—
gan	8.	MOORE & KELLY, "Re-routing of a secretory protein by fusion with human growth hormone sequences" Nature 321(6068):443-446 (1986).	—

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